

## EAST SEARCH

3/15/05

L#	Hits	Search String	Databases
L1	146	node and fault\$5 and fractu\$5 and (model\$4 or simulat\$5)	USPAT; EPO; JPO; DERWENT; IBM_TDB
<u>Results of search set L1:</u>			
US 6867216 B1		Inhibitors of hedgehog signal pathways, compositions and uses related thereto	20050315 514/278
US 6866097 B2		In situ thermal processing of a coal formation to increase a permeability/porosity of the formation	20050315 166/245
US 6850804 B2		System method and apparatus for localized heating of tissue	20050201 607/103
US 6826520 B1		Method of upscaling permeability for unstructured grids	20041130 703/10
US 6822372 B2		Apparatus, circuitry and methods for cleaning and/or processing with sound waves	20041123 310/317
US 6820688 B2		In situ thermal processing of coal formation with a selected hydrogen content and/or selected H/C ratio	20041123 166/245
US 6810332 B2		Method for computing complexity, confidence and technical maturity indices for reservoir evaluations	20041026 702/13
US 6807965 B1		Apparatus and method for providing a conscious patient relief from pain and anxiety associated with medical or surgical procedures	20041026 128/204.23
US 6805195 B2		In situ thermal processing of a hydrocarbon containing formation to produce hydrocarbon fluids and synthesis gas	20041019 166/251.1
US 6803360 B1		Compositions and methods for reducing radiation and drug resistance in cells	20041012 514/44
US 6789625 B2		In situ thermal processing of a hydrocarbon containing formation using exposed metal heat sources	20040914 166/302
US 6789054 B1		Geometric display tools and methods for the visual specification, design automation, and control of adaptive real systems	20040907 703/6
US 6769485 B2		In situ production of synthesis gas from a coal formation through a heat source wellbore	20040803 166/245
US 6769483 B2		In situ thermal processing of a hydrocarbon containing formation using conductor in conduit heat sources	20040803 166/60
US 6763886 B2		In situ thermal processing of a coal formation with carbon dioxide sequestration	20040720 166/302
US 6763730 B1		Vibrating tube meter	20040720 73/861.356
US 6763108 B1		Apparatus and method for line pair testing and fault diagnostics	20040713 379/399.01
US 6761216 B2		In situ thermal processing of a coal formation to produce hydrocarbon fluids and synthesis gas	20040713 166/245
US 6758268 B2		In situ thermal processing of a hydrocarbon containing formation using a relatively slow heating rate	20040706 166/245

US 6752210 B2	In situ thermal processing of a coal formation using heat sources positioned within open wellbores	20040622	166/302
US 6749021 B2	In situ thermal processing of a coal formation using a controlled heating rate	20040615	166/245
US 6745837 B2	In situ thermal processing of a hydrocarbon containing formation using a controlled heating rate	20040608	166/302
US 6745832 B2	Situ thermal processing of a hydrocarbon containing formation to control product composition	20040608	166/245
US 6745831 B2	In situ thermal processing of a hydrocarbon containing formation by controlling a pressure of the formation	20040608	166/245
US 6745764 B2	Apparatus and method for providing a conscious patient relief from pain and anxiety associated with medical or surgical procedures	20040608	128/203.12
US 6743625 B2	Death domain containing receptor 5	20040601	435/325
US 6742593 B2	In situ thermal processing of a hydrocarbon containing formation using heat transfer from a heat transfer fluid to heat the formation	20040601	166/302
US 6742589 B2	In situ thermal processing of a coal formation using repeating triangular patterns of heat sources	20040601	166/245
US 6742588 B2	In situ thermal processing of a hydrocarbon containing formation to produce formation fluids having a relatively low olefin content	20040601	166/245
US 6742587 B2	In situ thermal processing of a coal formation to form a substantially uniform, relatively high permeable formation	20040601	166/245
US 6739394 B2	Production of synthesis gas from a hydrocarbon containing formation	20040525	166/245
US 6739393 B2	In situ thermal processing of a coal formation and tuning production	20040525	166/245
US 6736215 B2	In situ thermal processing of a hydrocarbon containing formation, in situ production of synthesis gas, and carbon dioxide sequestration	20040518	166/402
US 6735526 B1	Method of combining directional seismic attributes using a supervised learning approach	20040511	702/14
US 6732796 B2	In situ production of synthesis gas from a hydrocarbon containing formation, the synthesis gas having a selected H <sub>2</sub> to CO ratio	20040511	166/259
US 6732795 B2	In situ thermal processing of a hydrocarbon containing formation to pyrolyze a selected percentage of hydrocarbon material	20040511	166/245
US 6732794 B2	In situ thermal processing of a hydrocarbon containing formation to produce a mixture with a selected hydrogen content	20040511	166/245
US 6729401 B2	In situ thermal processing of a hydrocarbon containing formation and ammonia production	20040504	166/267
US 6729397 B2	In situ thermal processing of a hydrocarbon containing formation with a selected vitrinite reflectance	20040504	166/250.01
US 6729396 B2	In situ thermal processing of a coal formation to produce hydrocarbons having a selected carbon number range	20040504	166/245
US 6729395 B2	In situ thermal processing of a hydrocarbon containing formation with a selected ratio of heat sources to production wells	20040504	166/245
US 6725928 B2	In situ thermal processing of a coal formation using a distributed combustor	20040427	166/257
US 6725921 B2	In situ thermal processing of a coal formation by controlling a pressure of the formation	20040427	166/245

US 6725920 B2	In situ thermal processing of a hydrocarbon containing formation to convert a selected amount of total organic carbon into hydrocarbon products	20040427	166/245
US 6722431 B2	In situ thermal processing of hydrocarbons within a relatively permeable formation	20040420	166/251.1
US 6722430 B2	In situ thermal processing of a coal formation with a selected oxygen content and/or selected O/C ratio	20040420	166/250.01
US 6722429 B2	In situ thermal processing of a hydrocarbon containing formation leaving one or more selected unprocessed areas	20040420	166/245
US 6719047 B2	In situ thermal processing of a hydrocarbon containing formation in a hydrogen-rich environment	20040413	166/245
US 6715551 B2	Apparatus and methods for applying time lapse VSP to monitor a reservoir	20040406	166/250.16
US 6715549 B2	In situ thermal processing of a hydrocarbon containing formation with a selected atomic oxygen to carbon ratio	20040406	166/250.01
US 6715548 B2	In situ thermal processing of a hydrocarbon containing formation to produce nitrogen containing formation fluids	20040406	166/245
US 6715547 B2	In situ thermal processing of a hydrocarbon containing formation to form a substantially uniform, high permeability formation	20040406	166/245
US 6715546 B2	In situ production of synthesis gas from a hydrocarbon containing formation through a heat source wellbore	20040406	166/245
US 6713061 B1	Death domain containing receptors	20040330	424/185.1
US 6712137 B2	In situ thermal processing of a coal formation to pyrolyze a selected percentage of hydrocarbon material	20040330	166/245
US 6712136 B2	In situ thermal processing of a hydrocarbon containing formation using a selected production well spacing	20040330	166/245
US 6712135 B2	In situ thermal processing of a coal formation in reducing environment	20040330	166/245
US 6711529 B1	Method for determining at least one optimal trajectory for reaching a fuzzy target situated in a medium starting from a point remote from the target	20040323	703/2
US 6708758 B2	In situ thermal processing of a coal formation leaving one or more selected unprocessed areas	20040323	166/245
US 6702016 B2	In situ thermal processing of a hydrocarbon containing formation with heat sources located at an edge of a formation layer	20040309	166/245
US 6698515 B2	In situ thermal processing of a coal formation using a relatively slow heating rate	20040302	166/245
US 6688387 B1	In situ thermal processing of a hydrocarbon containing formation to produce a hydrocarbon condensate	20040210	166/245
US 6687339 B2	Controller for use with communications systems for converting a voice message to a text message	20040203	379/88.14
US 6686388 B2	Regulators of the hedgehog pathway, compositions and uses related thereto	20040203	514/455
US 6683192 B2	Small organic molecule regulators of cell proliferation	20040127	549/32
US 6683108 B1	Agonists of hedgehog signaling pathways and uses related thereto	20040127	514/443
US 6680013 B1	Synthesis of macroporous structures	20040120	264/44
US 6679121 B2	Blade vibration test apparatus and method	20040120	73/660
US 6676686 B2	Noninvasive detection and activation of the lymphatic system in treating disease and alleviating pain	20040113	607/1

US 6675097 B2	Nonlinear constrained inversion method to determine base of salt interface from gravity and gravity tensor data	20040106	702/2
US 6657150 B1	Shorting switch and system to eliminate arcing faults in power distribution equipment	20031202	218/154
US 6653448 B1	Wnt-7B-like polypeptides and nucleic acids encoding same	20031125	530/350
US 6623941 B1	Nucleic acids encoding human tumor necrosis factor TR20	20030923	435/69.1
US 6622233 B1	Hypercomputer	20030916	712/11
US 6614360 B1	Measurement-while-drilling acoustic system employing multiple, segmented transmitters and receivers	20030902	340/853.1
US 6613798 B1	Small organic molecule regulators of cell proliferation	20030902	514/443
US 6611783 B2	Attitude indicator and activity monitoring device	20030826	702/150
US 6609570 B2	In situ thermal processing of a coal formation and ammonia production	20030826	166/267
US 6607033 B2	In Situ thermal processing of a coal formation to produce a condensate	20030819	166/245
US 6591907 B2	In situ thermal processing of a coal formation with a selected vitrinite reflectance	20030715	166/250.01
US 6591906 B2	In situ thermal processing of a hydrocarbon containing formation with a selected oxygen content	20030715	166/250.01
US 6588504 B2	In situ thermal processing of a coal formation to produce nitrogen and/or sulfur containing formation fluids	20030708	166/245
US 6588503 B2	In Situ thermal processing of a coal formation to control product composition	20030708	166/245
US 6581684 B2	In Situ thermal processing of a hydrocarbon containing formation to produce sulfur containing formation fluids	20030624	166/245
US 6552016 B1	Mediators of hedgehog signaling pathways, compositions and uses related thereto	20030422	514/218
US 6547788 B1	Medical device with sensor cooperating with expandable member	20030415	606/41
US 6545005 B1	Mediators of hedgehog signaling pathways, compositions and uses related thereto	20030408	514/266.3
US 6514249 B1	Positioning system and method for orienting an ablation element within a pulmonary vein ostium	20030204	606/41
US 6506569 B1	Antibodies to human tumor necrosis factor receptor TR10	20030114	435/7.1
US 6485703 B1	Compositions and methods for analyte detection	20021126	424/9.1
US 6467118 B2	Modular polymeric matrix composite load bearing deck structure	20021022	14/73
US 6455040 B1	Tumor necrosis factor receptor 5	20020924	424/134.1
US 6446006 B1	Method of producing impact point position probability maps for a well	20020903	702/5
US 6436135 B1	Prosthetic vascular graft	20020820	623/1.39
US 6433147 B1	Death domain containing receptor-4	20020813	530/387.3
US 6432970 B1	Inhibitors of hedgehog signaling pathways, compositions and uses related thereto	20020813	514/278
US 6370491 B1	Method of modeling of faulting and fracturing in the earth	20020409	703/2
US 6358508 B1	Antibodies to human tumor necrosis factor receptor TR9	20020319	424/139.1
US 6351675 B1	System and method of programming an implantable medical device	20020226	607/59
US 6350784 B1	Antimicrobial prevention and treatment of human immunodeficiency virus and other infectious diseases	20020226	514/642
US 6302654 B1	Compressor with control and protection system	20011016	417/63

US 6291516 B1	Regulators of the hedgehog pathway, compositions and uses related thereto	20010918	514/455
US 6246975 B1	Computer architecture and process of patient generation, evolution, and simulation for computer based testing system	20010612	703/11
US 6213958 B1	Method and apparatus for the acoustic emission monitoring detection, localization, and classification of metabolic bone disease	20010410	600/586
US 6144721 A	Apparatus and method for line pair testing and fault diagnostics	20001107	379/21
US 6108998 A	Modular polymer matrix composite support structure and methods of constructing same	20000829	52/783.17
US 6092350 A	Modular polymer matrix composite support structure and methods of constructing same	20000725	52/783.17
US 6078869 A	Method and apparatus for generating more accurate earth formation grid cell property information for use by a simulator to display more accurate simulation results of the formation near a wellbore	20000620	702/6
US 6070378 A	Modular polymer matrix composite support structure and methods of constructing same	20000606	52/263
US 6044607 A	Modular polymer matrix composite support structure and methods of constructing same	20000404	52/443
US 6023806 A	Modular polymer matrix composite support structure and methods of constructing same	20000215	14/73
US 6018497 A	Method and apparatus for generating more accurate earth formation grid cell property information for use by a simulator to display more accurate simulation results of the formation near a wellbore	20000125	367/72
US 5955916 A	Modulator linear feed-forward amplifier	19990921	330/2
US 5815179 A	Block fault tolerance in integrated printing heads	19980929	347/59
US 5794402 A	Modular polymer matrix composite support structure and methods of constructing same	19980818	52/783.17
US 5771265 A	Method and apparatus for generating electrical energy from nuclear waste while enhancing safety	19980623	376/272
US 5740342 A	Method for generating a three-dimensional, locally-unstructured hybrid grid for sloping faults	19980414	345/420
US 5717928 A	System and a method for obtaining a mask programmable device using a logic description and a field programmable device implementing the logic description	19980210	716/17
US 5694335 A	Secure personal applications network	19971202	713/201
US 5631572 A	Printed circuit board tester using magnetic induction	19970520	324/754
US 5467675 A	Apparatus and method for forming a workpiece surface into a non-rotationally symmetric shape	19951121	82/1.11
US 5412592 A	Optoelectronic associative memory using parallel-readout optical disk storage	19950502	365/49
US 5359192 A	Dual-wavelength low-power built-in-test for a laser-initiated ordnance system	19941025	250/227.23
US 5327358 A	Apparatus and method for damage detection	19940705	702/36
US 5193178 A	Self-testing probe system to reveal software errors	19930309	714/25
US 5159833 A	Analyzing a hydrocarbon reservoir by determining the response of that reservoir to tidal forces	19921103	73/152.39

US 5136687 A	Categorization automata employing neuronal group selection with reentry	19920804	706/20
US 5040414 A	Analyzing a hydrocarbon reservoir by determining the response of that reservoir to tidal forces	19910820	73/152.59
US 5020411 A	Mobile assault logistic kinematic engagement device	19910604	89/1.11
US 4893815 A	Interactive transector device commercial and military grade	19900116	463/47.3
US 4875015 A	Multi-array borehole resistivity and induced polarization method with mathematical inversion of redundant data	19891017	324/323
US 4824637 A	Alloy phase stability index diagram	19890425	420/129
US 4815001 A	Ultrasonic wire bonding quality monitor and method	19890321	700/212
US 4802099 A	Physical parameter balancing of circuit islands in integrated circuit wafers	19890131	716/19
US 4734856 A	Autogenic system	19880329	706/62
US 4698759 A	Process for structural geologic analysis of topography and point data	19871006	702/5
US 4655393 A	High volume ultrasonic liquid atomizer	19870407	239/102.1
US 4532930 A	Cochlear implant system for an auditory prosthesis	19850806	607/57
US 4480480 A	System for assessing the integrity of structural systems	19841106	73/769
US 4051427 A	Supervisory system for detecting torsional oscillation in the shaft of a rotating electro-mechanical system	19770927	322/99
WO 2082352 A1	METHOD OF MODELING OF FAULTING AND FRACTURING IN THE EARTH	20021017	
NN87081297	SLS - a FAST SWITCH LEVEL SIMULATOR for VERIFICATION and FAULT COVERAGE ANALYSIS	19870801	
WO 200282352 A	Seismic fault and fracture modeling method, for oil and gas exploration, involves defining subsurface model including rock properties and comprising springs connecting one selected node and adjacent nodes	20021017	
US 20020091502 A	Faults and fracturing modeling method for oil and gas exploration, involves connecting selected node with its nearest and next nearest neighbors by springs of deformed model which is obtained from relaxation algorithm	20020711	
WO 200247011 A	Producing model of desired region involves collecting set of data points for region, dividing data set, interpolating data points in model, comparing and varying model data points to data sets	20020613	
US 6370491 B	Modeling of faulting and fracturing in the earth using a computer by selecting a definition made of the model and providing a quick solution to the deformation	20020409	